

# Summit Scientific

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4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

June 03, 2025

Kyle Johnson  
Montrose Environmental  
471 Denver Ave  
Loveland, CO 80537

RE: Chevron - UPRC 31-13H06

Work Order #2504198

Enclosed are the results of analyses for samples received by Summit Scientific on 04/10/25 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Natalie Tessier". The signature is written in a cursive, flowing style.

Natalie Tessier For Paul Shrewsbury  
President



Montrose Environmental  
471 Denver Ave  
Loveland CO, 80537

Project: Chevron - UPRC 31-13H06

Project Number: 3301-102  
Project Manager: Kyle Johnson

**Reported:**  
06/03/25 11:10

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BKG01@4'	2504198-01	Soil	04/10/25 09:38	04/10/25 16:30
BKG01@6'	2504198-02	Soil	04/10/25 09:45	04/10/25 16:30
BKG02@4'	2504198-03	Soil	04/10/25 09:54	04/10/25 16:30
BKG02@6'	2504198-04	Soil	04/10/25 10:03	04/10/25 16:30
BKG03@4'	2504198-05	Soil	04/10/25 10:17	04/10/25 16:30
BKG03@6'	2504198-06	Soil	04/10/25 10:27	04/10/25 16:30

Summit Scientific

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4653 Table Mountain Drive  
 Golden, CO 80403  
 303-277-9310

Lab ID	Page 1 of 1
2504198	

Client: <b>Chevron</b>	Send Data To: Project Manager: <b>Kyle Johnson</b>	Send Invoice To: Company: <b>Chevron</b>
Address: <b>4000 Burlington Ave</b>	E-Mail: <b>kylejohnson@montrose-env.com</b>	Project Name/Location:
City/State/Zip: <b>Evans, CO 80620</b>	<b>nicholewolllesen@montrose-env.com</b>	AFE#:
Phone: <b>(470)-376-7431</b>	Project Name: <b>UPRC 31-13406</b>	PO/Billing Codes:
Sampler Name: <b>Sam Wilson, Nichole Wolllesen</b>	Project Number: <b>3301-102</b>	Contact:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested			Special Instructions
					HCl	HNO3	None	Other	Ice	Water	Soil	Air-Canister #	Other	10 Metals	
1	BKG01 @ 4'	4/10/25	938a	2				X		X			X	X	
2	BKG01 @ 6'		945a	2				X		X			X	X	
3	BKG02 @ 4'		954a	2				X		X			X	X	
4	BKG02 @ 6'		1003a	2				X		X			X	X	
5	BKG03 @ 4'		1017a	2				X		X			X	X	
6	BKG03 @ 6'		1027a	2				X		X			X	X	
7															
8															
9															
10															
11															
12															
13															
14															
15															

Relinquished by: <b>Nichole Wolllesen</b>	Date/Time: <b>4/10/25 307pm</b>	Received by: <b>Summit Lab</b>	Date/Time: <b>4/10/25 307pm</b>	TAT Business Days	Field DO	Notes:
				Same Day	Field EC	
Relinquished by: <b>SL</b>	Date/Time: <b>4/10/25 1030</b>	Received by: <b>[Signature]</b>	Date/Time: <b>4/10/25 11030</b>	1 Day	Field ORP	
				2 Days	Field pH	
Relinquished by:	Date/Time:	Received by:	Date/Time:	3 Days	Field Temp.	
				Standard	Field Turb.	
Temperature Upon Receipt: <b>8.1</b>	Corrected Temperature: <b>8</b>	IR gun #: <b>1</b>	HNO3 lot #:			

# S<sub>2</sub>

S2 Work Order# 2504198

## Sample Receipt Checklist

Client: Chevron Client Project ID: UPRC 31-13 HOGReceived Via: H.D./P.U./FedEx/UPS/USPS/Other  Airbill # \_\_\_\_\_Matrix (Circle all that apply) Air/Soil/Water/Other  Temp (°C) 8.1 Thermometer # 1Bottle ware (Circle all that apply) Glass Jar/Voa/Amber/Poly/Other 

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? <sup>(1)</sup> <b>NOTE:</b> If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	-			<u>on DOE</u>
If custody seals are present, are they intact? <sup>(1)</sup>	-			
Are samples due within 48 hours?			-	<u>NO TAT</u>
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe <sup>2+</sup> ), Hexavalent Chromium (Cr <sup>6+</sup> , Cr VI), COD, Total Residual Chlorine (TRC)		-		
Is a chain-of-custody (COC) form present and filled out Completely? <sup>(1)</sup>		-		<u>NO TAT</u>
Is the COC properly relinquished by the client w/ date and time recorded? <sup>(1)</sup>	-			
Were all samples received intact? <sup>(1)</sup>	-			
Was adequate sample volume provided? <sup>(1)</sup>	-			
Were samples provided in appropriate bottle ware?	-			
Does the COC agree with the number and type of sample bottles received? <sup>(1)</sup>	-			
Do the sample IDs on the bottle labels match the COC? <sup>(1)</sup>	-			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			-	
Are any samples/bottles preserved (excluding cooling)? <sup>(1)</sup> Note the type of preservative in the comments column – HCl, H <sub>2</sub> SO <sub>4</sub> , NaOH, HNO <sub>3</sub> , etc.			-	
If samples are acid preserved for metals, is the pH ≤ 2? <sup>(1)</sup> Record the pH in Comments.			-	
If dissolved metals are requested, were samples field filtered?			-	
Are there requested analysis that cannot be performed by S2? Note analysis in the comments column		-		
<u>Additional Comments (if any):</u>				

<sup>(1)</sup> If NO, then contact the client before proceeding with analysis and note in case narrative.

Control Form #: SRC-001

SM  
Custodian Printed Name4/10/25  
Date/Time



Montrose Environmental  
471 Denver Ave  
Loveland CO, 80537

Project: Chevron - UPRC 31-13H06

Project Number: 3301-102  
Project Manager: Kyle Johnson

**Reported:**  
06/03/25 11:10

**BKG01@4'**  
**2504198-01 (Soil)**

Summit Scientific

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **04/10/25 09:38**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	9.30	2.00	mg/L dry	1	BID0717	04/14/25	04/17/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **04/10/25 09:38**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	6.11	0.200	mg/kg dry	1	BID0667	04/11/25	05/24/25	EPA 6020B	
Barium	125	0.400	"	"	"	"	"	"	
Cadmium	0.258	0.200	"	"	"	"	"	"	
Copper	11.7	0.400	"	"	"	"	"	"	
Lead	8.93	0.200	"	"	"	"	"	"	
Nickel	16.8	0.400	"	"	"	"	"	"	
Silver	0.0491	0.0200	"	"	"	"	"	"	
Zinc	30.6	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

**Hexavalent Chromium by HACH M8023**

Date Sampled: **04/10/25 09:38**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BID0815	04/15/25	04/15/25	Hach 8000	

**Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction**

Date Sampled: **04/10/25 09:38**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	503	0.0500	mg/L dry	1	BIE0047	05/01/25	05/20/25	EPA 6020B	
Magnesium	253	0.0500	"	"	"	"	"	"	
Sodium	970	0.0500	"	"	"	"	"	"	

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Project: Chevron - UPRC 31-13H06

Project Number: 3301-102  
Project Manager: Kyle Johnson

**Reported:**  
06/03/25 11:10

**BKG01@4'**  
**2504198-01 (Soil)**

**Summit Scientific**

**Calculated Analysis**

Date Sampled: **04/10/25 09:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	8.81	0.00100	units	1	BIE0736	05/28/25	05/28/25	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **04/10/25 09:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	87.7		%	1	BID0804	04/15/25	04/15/25	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **04/10/25 09:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	6.36	0.0100	mmhos/cm	1	BIE0048	05/01/25	05/06/25	EPA 120.1	

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **04/10/25 09:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.15		pH Units	1	BIE0049	05/01/25	05/06/25	EPA 9045D	

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Loveland CO, 80537

Project: Chevron - UPRC 31-13H06

Project Number: 3301-102  
Project Manager: Kyle Johnson

**Reported:**  
06/03/25 11:10

**BKG01@6'**  
**2504198-02 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **04/10/25 09:45**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>Boron</b>	<b>2.82</b>	2.00	mg/L dry	1	BID0717	04/14/25	04/17/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **04/10/25 09:45**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>Arsenic</b>	<b>4.36</b>	0.200	mg/kg dry	1	BID0667	04/11/25	05/24/25	EPA 6020B	
<b>Barium</b>	<b>81.8</b>	0.400	"	"	"	"	"	"	
<b>Cadmium</b>	<b>ND</b>	0.200	"	"	"	"	"	"	
<b>Copper</b>	<b>8.09</b>	0.400	"	"	"	"	"	"	
<b>Lead</b>	<b>6.92</b>	0.200	"	"	"	"	"	"	
<b>Nickel</b>	<b>16.1</b>	0.400	"	"	"	"	"	"	
<b>Silver</b>	<b>0.0292</b>	0.0200	"	"	"	"	"	"	
<b>Zinc</b>	<b>25.8</b>	0.400	"	"	"	"	"	"	
<b>Selenium</b>	<b>ND</b>	0.260	"	"	"	"	"	"	

**Hexavalent Chromium by HACH M8023**

Date Sampled: **04/10/25 09:45**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>Chromium, Hexavalent</b>	<b>ND</b>	0.30	mg/kg dry	1	BID0815	04/15/25	04/15/25	Hach 8000	

**Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction**

Date Sampled: **04/10/25 09:45**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>Calcium</b>	<b>320</b>	0.0500	mg/L dry	1	BIE0047	05/01/25	05/20/25	EPA 6020B	
<b>Magnesium</b>	<b>243</b>	0.0500	"	"	"	"	"	"	
<b>Sodium</b>	<b>1190</b>	0.0500	"	"	"	"	"	"	

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Project: Chevron - UPRC 31-13H06  
Project Number: 3301-102  
Project Manager: Kyle Johnson

**Reported:**  
06/03/25 11:10

**BKG01@6'**  
**2504198-02 (Soil)**

**Summit Scientific**

**Calculated Analysis**

Date Sampled: **04/10/25 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	12.2	0.00100	units	1	BIE0736	05/28/25	05/28/25	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **04/10/25 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	92.6		%	1	BID0804	04/15/25	04/15/25	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **04/10/25 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	5.80	0.0100	mmhos/cm	1	BIE0048	05/01/25	05/06/25	EPA 120.1	

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **04/10/25 09:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.25		pH Units	1	BIE0049	05/01/25	05/06/25	EPA 9045D	

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Loveland CO, 80537

Project: Chevron - UPRC 31-13H06

Project Number: 3301-102  
Project Manager: Kyle Johnson

**Reported:**  
06/03/25 11:10

**BKG02@4'**  
**2504198-03 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **04/10/25 09:54**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L dry	1	BID0717	04/14/25	04/17/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **04/10/25 09:54**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	5.72	0.200	mg/kg dry	1	BID0667	04/11/25	05/24/25	EPA 6020B	
Barium	223	0.400	"	"	"	"	"	"	
Cadmium	0.373	0.200	"	"	"	"	"	"	
Copper	15.7	0.400	"	"	"	"	"	"	
Lead	11.4	0.200	"	"	"	"	"	"	
Nickel	17.2	0.400	"	"	"	"	"	"	
Silver	0.0586	0.0200	"	"	"	"	"	"	
Zinc	40.4	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

**Hexavalent Chromium by HACH M8023**

Date Sampled: **04/10/25 09:54**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BID0815	04/15/25	04/15/25	Hach 8000	

**Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction**

Date Sampled: **04/10/25 09:54**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	179	0.0500	mg/L dry	1	BIE0047	05/01/25	05/20/25	EPA 6020B	
Magnesium	110	0.0500	"	"	"	"	"	"	
Sodium	599	0.0500	"	"	"	"	"	"	

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471 Denver Ave  
Loveland CO, 80537

Project: Chevron - UPRC 31-13H06

Project Number: 3301-102  
Project Manager: Kyle Johnson

**Reported:**  
06/03/25 11:10

**BKG02@4'**  
**2504198-03 (Soil)**

**Summit Scientific**

**Calculated Analysis**

Date Sampled: **04/10/25 09:54**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	8.69	0.00100	units	1	BIE0736	05/28/25	05/28/25	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **04/10/25 09:54**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	88.1		%	1	BID0804	04/15/25	04/15/25	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **04/10/25 09:54**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.30	0.0100	mmhos/cm	1	BIE0048	05/01/25	05/06/25	EPA 120.1	

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **04/10/25 09:54**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.26		pH Units	1	BIE0049	05/01/25	05/06/25	EPA 9045D	

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471 Denver Ave  
Loveland CO, 80537

Project: Chevron - UPRC 31-13H06

Project Number: 3301-102  
Project Manager: Kyle Johnson

**Reported:**  
06/03/25 11:10

**BKG02@6'**  
**2504198-04 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **04/10/25 10:03**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L dry	1	BID0717	04/14/25	04/17/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **04/10/25 10:03**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	5.25	0.200	mg/kg dry	1	BID0667	04/11/25	05/24/25	EPA 6020B	
Barium	157	0.400	"	"	"	"	"	"	
Cadmium	0.290	0.200	"	"	"	"	"	"	
Copper	13.2	0.400	"	"	"	"	"	"	
Lead	9.59	0.200	"	"	"	"	"	"	
Nickel	14.5	0.400	"	"	"	"	"	"	
Silver	0.0492	0.0200	"	"	"	"	"	"	
Zinc	34.2	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

**Hexavalent Chromium by HACH M8023**

Date Sampled: **04/10/25 10:03**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BID0815	04/15/25	04/15/25	Hach 8000	

**Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction**

Date Sampled: **04/10/25 10:03**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	85.5	0.0500	mg/L dry	1	BIE0047	05/01/25	05/20/25	EPA 6020B	
Magnesium	54.9	0.0500	"	"	"	"	"	"	
Sodium	375	0.0500	"	"	"	"	"	"	

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Project: Chevron - UPRC 31-13H06

Project Number: 3301-102  
Project Manager: Kyle Johnson

**Reported:**  
06/03/25 11:10

**BKG02@6'**  
**2504198-04 (Soil)**

**Summit Scientific**

**Calculated Analysis**

Date Sampled: **04/10/25 10:03**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	7.78	0.00100	units	1	BIE0736	05/28/25	05/28/25	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **04/10/25 10:03**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	88.7		%	1	BID0804	04/15/25	04/15/25	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **04/10/25 10:03**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	2.61	0.0100	mmhos/cm	1	BIE0048	05/01/25	05/06/25	EPA 120.1	

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **04/10/25 10:03**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.04		pH Units	1	BIE0049	05/01/25	05/06/25	EPA 9045D	

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Project: Chevron - UPRC 31-13H06

Project Number: 3301-102  
Project Manager: Kyle Johnson

**Reported:**  
06/03/25 11:10

**BKG03@4'**  
**2504198-05 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **04/10/25 10:17**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L dry	1	BID0717	04/14/25	04/17/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **04/10/25 10:17**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	5.12	0.200	mg/kg dry	1	BID0667	04/11/25	05/24/25	EPA 6020B	
Barium	184	0.400	"	"	"	"	"	"	
Cadmium	0.341	0.200	"	"	"	"	"	"	
Copper	14.2	0.400	"	"	"	"	"	"	
Lead	9.78	0.200	"	"	"	"	"	"	
Nickel	16.7	0.400	"	"	"	"	"	"	
Silver	0.0462	0.0200	"	"	"	"	"	"	
Zinc	34.9	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

**Hexavalent Chromium by HACH M8023**

Date Sampled: **04/10/25 10:17**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BID0815	04/15/25	04/15/25	Hach 8000	

**Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction**

Date Sampled: **04/10/25 10:17**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	319	0.0500	mg/L dry	1	BIE0047	05/01/25	05/20/25	EPA 6020B	
Magnesium	274	0.0500	"	"	"	"	"	"	
Sodium	1350	0.0500	"	"	"	"	"	"	

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Montrose Environmental  
471 Denver Ave  
Loveland CO, 80537

Project: Chevron - UPRC 31-13H06  
Project Number: 3301-102  
Project Manager: Kyle Johnson

**Reported:**  
06/03/25 11:10

**BKG03@4'**  
**2504198-05 (Soil)**

**Summit Scientific**

**Calculated Analysis**

Date Sampled: **04/10/25 10:17**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	13.4	0.00100	units	1	BIE0736	05/28/25	05/28/25	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **04/10/25 10:17**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	88.0		%	1	BID0804	04/15/25	04/15/25	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **04/10/25 10:17**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.02	0.0100	mmhos/cm	1	BIE0048	05/01/25	05/06/25	EPA 120.1	

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **04/10/25 10:17**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.20		pH Units	1	BIE0049	05/01/25	05/06/25	EPA 9045D	

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Montrose Environmental  
471 Denver Ave  
Loveland CO, 80537

Project: Chevron - UPRC 31-13H06

Project Number: 3301-102  
Project Manager: Kyle Johnson

**Reported:**  
06/03/25 11:10

**BKG03@6'**  
**2504198-06 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **04/10/25 10:27**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L dry	1	BID0717	04/14/25	04/17/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **04/10/25 10:27**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	5.59	0.200	mg/kg dry	1	BID0667	04/11/25	05/24/25	EPA 6020B	
Barium	200	0.400	"	"	"	"	"	"	
Cadmium	0.325	0.200	"	"	"	"	"	"	
Copper	14.5	0.400	"	"	"	"	"	"	
Lead	9.68	0.200	"	"	"	"	"	"	
Nickel	18.1	0.400	"	"	"	"	"	"	
Silver	0.0526	0.0200	"	"	"	"	"	"	
Zinc	35.2	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

**Hexavalent Chromium by HACH M8023**

Date Sampled: **04/10/25 10:27**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BID0815	04/15/25	04/15/25	Hach 8000	

**Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction**

Date Sampled: **04/10/25 10:27**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	219	0.0500	mg/L dry	1	BIE0047	05/01/25	05/20/25	EPA 6020B	
Magnesium	192	0.0500	"	"	"	"	"	"	
Sodium	1110	0.0500	"	"	"	"	"	"	

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Montrose Environmental  
471 Denver Ave  
Loveland CO, 80537

Project: Chevron - UPRC 31-13H06

Project Number: 3301-102  
Project Manager: Kyle Johnson

**Reported:**  
06/03/25 11:10

**BKG03@6'**  
**2504198-06 (Soil)**

**Summit Scientific**

**Calculated Analysis**

Date Sampled: **04/10/25 10:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	13.2	0.00100	units	1	BIE0736	05/28/25	05/28/25	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **04/10/25 10:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	89.7		%	1	BID0804	04/15/25	04/15/25	Calculation	

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **04/10/25 10:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.62	0.0100	mmhos/cm	1	BIE0048	05/01/25	05/06/25	EPA 120.1	

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **04/10/25 10:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.30		pH Units	1	BIE0049	05/01/25	05/06/25	EPA 9045D	

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Montrose Environmental  
471 Denver Ave  
Loveland CO, 80537

Project: Chevron - UPRC 31-13H06

Project Number: 3301-102  
Project Manager: Kyle Johnson

**Reported:**  
06/03/25 11:10

**Total Metals by EPA 6020B Hot Water Soluble Extraction - Quality Control**

**Summit Scientific**

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD		Notes
		Limit	Units		Result	%REC	Limits	RPD	Limit		

**Batch BID0717 - EPA 3050B**

**Blank (BID0717-BLK1)**

Prepared: 04/14/25 Analyzed: 04/17/25

Boron ND 2.00 mg/L wet

**LCS (BID0717-BS1)**

Prepared: 04/14/25 Analyzed: 04/17/25

Boron 4.93 2.00 mg/L wet 5.00 98.6 80-120

**Duplicate (BID0717-DUP1)**

**Source: 2504185-01**

Prepared: 04/14/25 Analyzed: 04/17/25

Boron 0.578 2.00 mg/L dry 0.555 4.05 20

**Matrix Spike (BID0717-MS1)**

**Source: 2504185-01**

Prepared: 04/14/25 Analyzed: 04/17/25

Boron 6.61 2.00 mg/L dry 5.90 0.555 103 75-125

**Matrix Spike Dup (BID0717-MSD1)**

**Source: 2504185-01**

Prepared: 04/14/25 Analyzed: 04/17/25

Boron 6.61 2.00 mg/L dry 5.90 0.555 103 75-125 0.0528 25

Summit Scientific

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Montrose Environmental  
471 Denver Ave  
Loveland CO, 80537

Project: Chevron - UPRC 31-13H06

Project Number: 3301-102  
Project Manager: Kyle Johnson

**Reported:**  
06/03/25 11:10

**Total Metals by EPA 6020B - Quality Control**  
**Summit Scientific**

Analyte	Reporting			Spike	Source	%REC			RPD	Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD		

**Batch BID0667 - EPA 3050B**

**Blank (BID0667-BLK1)**

Prepared: 04/11/25 Analyzed: 05/24/25

Arsenic	ND	0.200	mg/kg wet						
Barium	ND	0.400	"						
Cadmium	ND	0.200	"						
Copper	ND	0.400	"						
Lead	ND	0.200	"						
Nickel	ND	0.400	"						
Silver	ND	0.0200	"						
Zinc	ND	0.400	"						
Selenium	ND	0.260	"						

**LCS (BID0667-BS1)**

Prepared: 04/11/25 Analyzed: 05/24/25

Arsenic	39.4	0.200	mg/kg wet	39.7	99.3	80-120
Barium	40.9	0.400	"	39.7	103	80-120
Cadmium	1.86	0.200	"	1.98	93.7	80-120
Copper	40.2	0.400	"	39.7	101	80-120
Lead	19.5	0.200	"	19.8	98.3	80-120
Nickel	39.9	0.400	"	39.7	101	80-120
Silver	1.91	0.0200	"	1.98	96.1	80-120
Zinc	39.8	0.400	"	39.7	100	80-120
Selenium	3.91	0.260	"	3.97	98.6	80-120

**Duplicate (BID0667-DUP1)**

Source: 2504197-01

Prepared: 04/11/25 Analyzed: 05/24/25

Arsenic	5.43	0.200	mg/kg dry	5.24	3.47	20
Barium	171	0.400	"	165	3.62	20
Cadmium	0.367	0.200	"	0.366	0.199	20
Copper	15.3	0.400	"	15.7	2.15	20
Lead	10.7	0.200	"	10.6	1.05	20
Nickel	14.9	0.400	"	14.5	2.72	20
Silver	0.0625	0.0200	"	0.0606	3.05	20
Zinc	34.6	0.400	"	34.6	0.101	20
Selenium	0.471	0.260	"	0.450	4.50	20

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Montrose Environmental  
471 Denver Ave  
Loveland CO, 80537

Project: Chevron - UPRC 31-13H06

Project Number: 3301-102  
Project Manager: Kyle Johnson

**Reported:**  
06/03/25 11:10

**Total Metals by EPA 6020B - Quality Control**  
**Summit Scientific**

Analyte	Reporting			Spike	Source		%REC		RPD		Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit		

**Batch BID0667 - EPA 3050B**

<b>Matrix Spike (BID0667-MS1)</b>	<b>Source: 2504197-01</b>			<b>Prepared: 04/11/25 Analyzed: 05/24/25</b>								
Arsenic	47.1	0.200	mg/kg dry	43.4	5.24	96.3	75-125					
Barium	216	0.400	"	43.4	165	118	75-125					
Cadmium	2.50	0.200	"	2.17	0.366	98.1	75-125					
Copper	61.9	0.400	"	43.4	15.7	107	75-125					
Lead	31.9	0.200	"	21.7	10.6	97.9	75-125					
Nickel	57.1	0.400	"	43.4	14.5	98.0	75-125					
Silver	2.17	0.0200	"	2.17	0.0606	96.9	75-125					
Zinc	61.7	0.400	"	43.4	34.6	62.5	75-125					QM-05
Selenium	3.81	0.260	"	4.34	0.450	77.4	75-125					

<b>Matrix Spike Dup (BID0667-MSD1)</b>	<b>Source: 2504197-01</b>			<b>Prepared: 04/11/25 Analyzed: 05/24/25</b>								
Arsenic	50.0	0.200	mg/kg dry	46.3	5.24	96.7	75-125	6.16	25			
Barium	250	0.400	"	46.3	165	183	75-125	14.5	25			QM-05
Cadmium	2.63	0.200	"	2.32	0.366	97.9	75-125	5.33	25			
Copper	66.8	0.400	"	46.3	15.7	110	75-125	7.53	25			
Lead	33.7	0.200	"	23.2	10.6	99.6	75-125	5.52	25			
Nickel	60.2	0.400	"	46.3	14.5	98.5	75-125	5.23	25			
Silver	2.31	0.0200	"	2.32	0.0606	97.0	75-125	6.37	25			
Zinc	65.1	0.400	"	46.3	34.6	65.9	75-125	5.38	25			QM-05
Selenium	4.03	0.260	"	4.63	0.450	77.2	75-125	5.50	25			

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Montrose Environmental  
471 Denver Ave  
Loveland CO, 80537

Project: Chevron - UPRC 31-13H06

Project Number: 3301-102  
Project Manager: Kyle Johnson

**Reported:**  
06/03/25 11:10

**Hexavalent Chromium by HACH M8023 - Quality Control**  
**Summit Scientific**

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD		Notes
		Limit	Units		Result	%REC	Limits	RPD	Limit		

**Batch BID0815 - 3060A Mod**

**Blank (BID0815-BLK1)**

Prepared & Analyzed: 04/15/25

Chromium, Hexavalent      ND      0.30 mg/kg wet

**LCS (BID0815-BS1)**

Prepared & Analyzed: 04/15/25

Chromium, Hexavalent      24.1      0.30 mg/kg wet      24.8      97.2      80-120

**Duplicate (BID0815-DUP1)**

**Source: 2504198-01**

Prepared & Analyzed: 04/15/25

Chromium, Hexavalent      ND      0.30 mg/kg dry      ND      20

**Matrix Spike (BID0815-MS1)**

**Source: 2504198-01**

Prepared & Analyzed: 04/15/25

Chromium, Hexavalent      30.9      0.30 mg/kg dry      29.7      ND      104      75-125

**Matrix Spike Dup (BID0815-MSD1)**

**Source: 2504198-01**

Prepared & Analyzed: 04/15/25

Chromium, Hexavalent      29.4      0.30 mg/kg dry      28.8      ND      102      75-125      5.02      20

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Montrose Environmental  
471 Denver Ave  
Loveland CO, 80537

Project: Chevron - UPRC 31-13H06

Project Number: 3301-102  
Project Manager: Kyle Johnson

**Reported:**  
06/03/25 11:10

**Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction - Quality Control**

**Summit Scientific**

Analyte	Result	Reporting		Spike Level	Source Result	%REC		RPD		Notes
		Limit	Units			%REC	Limits	RPD	Limit	

**Batch BIE0047 - General Preparation**

**Blank (BIE0047-BLK1)**

Prepared: 05/01/25 Analyzed: 05/18/25

Calcium	ND	0.0500	mg/L wet							
Magnesium	ND	0.0500	"							
Sodium	ND	0.0500	"							

**LCS (BIE0047-BS1)**

Prepared: 05/01/25 Analyzed: 05/18/25

Calcium	5.51	0.0500	mg/L wet	5.00	110	70-130				
Magnesium	5.79	0.0500	"	5.00	116	70-130				
Sodium	5.73	0.0500	"	5.00	115	70-130				

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Montrose Environmental  
 471 Denver Ave  
 Loveland CO, 80537

Project: Chevron - UPRC 31-13H06

Project Number: 3301-102  
 Project Manager: Kyle Johnson

**Reported:**  
 06/03/25 11:10

**Physical Parameters by APHA/ASTM/EPA Methods - Quality Control**

**Summit Scientific**

Analyte	Result	Reporting		Spike	Source	%REC		RPD		Notes
		Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

**Batch BID0804 - General Preparation**

**Duplicate (BID0804-DUP1)**

**Source: 2504186-01**

Prepared & Analyzed: 04/15/25

% Solids	81.8		%		79.0			3.47	20	
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Montrose Environmental  
471 Denver Ave  
Loveland CO, 80537

Project: Chevron - UPRC 31-13H06

Project Number: 3301-102  
Project Manager: Kyle Johnson

**Reported:**  
06/03/25 11:10

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction - Quality Control**

**Summit Scientific**

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD		Notes
		Limit	Units		Result	%REC	Limits	RPD	Limit		

**Batch BIE0048 - General Preparation**

**Blank (BIE0048-BLK1)**

Prepared: 05/01/25 Analyzed: 05/06/25

Specific Conductance (EC) ND 0.0100 mmhos/cm

**LCS (BIE0048-BS1)**

Prepared: 05/01/25 Analyzed: 05/06/25

Specific Conductance (EC) 0.144 0.0100 mmhos/cm 0.150 95.7 95-105

**Duplicate (BIE0048-DUP1)**

Source: 2504191-01

Prepared: 05/01/25 Analyzed: 05/06/25

Specific Conductance (EC) 0.206 0.0100 mmhos/cm 0.207 0.484 20

Summit Scientific

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Montrose Environmental  
471 Denver Ave  
Loveland CO, 80537

Project: Chevron - UPRC 31-13H06

Project Number: 3301-102  
Project Manager: Kyle Johnson

**Reported:**  
06/03/25 11:10

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction - Quality Control**

**Summit Scientific**

Analyte	Result	Reporting		Spike	Source	%REC		RPD		Notes
		Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

**Batch BIE0049 - General Preparation**

**LCS (BIE0049-BS1)**

Prepared: 05/01/25 Analyzed: 05/06/25

pH	9.10	pH Units	9.18	99.1	95-105
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**Duplicate (BIE0049-DUP1)**

Source: 2504191-01

Prepared: 05/01/25 Analyzed: 05/06/25

pH	7.50	pH Units	7.44	0.803	20
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Summit Scientific

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Montrose Environmental  
471 Denver Ave  
Loveland CO, 80537

Project: Chevron - UPRC 31-13H06

Project Number: 3301-102  
Project Manager: Kyle Johnson

**Reported:**  
06/03/25 11:10

### Notes and Definitions

- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference